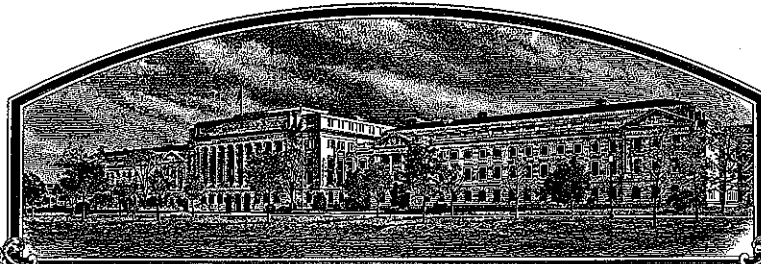


No.

200800195



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*Syngenta Seeds, Inc.*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BEAN, GARDEN

'Rockport'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this fifth day of June, in the year two thousand and eight.*

Attest:

*Edmund T. Schaefer*

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture

**U.S. DEPARTMENT OF AGRICULTURE**  
**AGRICULTURAL MARKETING SERVICE**  
**SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE**

**APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**  
*(Instructions and information collection burden statement on reverse)*

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER Syngenta Seeds, Inc.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME	3. VARIETY NAME Rockport
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)  6338 Highway 20-26 Nampa, ID 83687		5. TELEPHONE (include area code) 208-465-8522	<b>FOR OFFICIAL USE ONLY</b> <b>PVPO NUMBER</b> <b>#200800195</b> <b>FILING DATE</b> <b>APRIL 14, 2008</b>
		6. FAX (include area code) 208-467-4559	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)  Corporation	8. IF INCORPORATED, GIVE STATE OF INCORPORATION  Delaware	9. DATE OF INCORPORATION  02/25/1975	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)  Kim Briggs c/o Syngenta Seeds, Inc. 6338 Highway 20-26 Nampa, ID 83687			<b>FILING AND EXAMINATION FEES:</b> <b>\$ 4,382.00</b> <b>DATE 4/14/08</b> <b>CERTIFICATION FEE:</b> <b>\$ 768.00</b> <b>DATE 5/16/08</b>
11. TELEPHONE (Include area code) 208-465-8522	12. FAX (Include area code) 208-467-4559	13. E-MAIL kim.briggs@syngenta.com	
14. CROP KIND (Common Name) Garden Bean	16. FAMILY NAME (Botanical) Fabaceae	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP Phaseolus vulgaris L.	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input checked="" type="checkbox"/> NO (If "no", go to item 23)	
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input type="checkbox"/> Exhibit B. Statement of Distinctness c. <input type="checkbox"/> Exhibit C. Objective Description of Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input type="checkbox"/> Exhibit F. Declaration Regarding Deposit g. <input type="checkbox"/> Voucher Sample (3,000 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) h. <input type="checkbox"/> Filing and Examination Fee (\$4,382), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)			

25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER <i>Kim Briggs</i>		SIGNATURE OF OWNER	
NAME (Please print or type) Kim Briggs		NAME (Please print or type)	
CAPACITY OR TITLE PVP Specialist	DATE 3-12-2008	CAPACITY OR TITLE	DATE

(See reverse for instructions and information collection burden statement)

**GENERAL INSTRUCTIONS:** To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). **NEW:** With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety *per se*, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initiated and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

**Plant Variety Protection Office**  
**Telephone:** (301) 504-5518 **FAX:** (301) 504-5291  
**General E-mail:** PVP@mail.usda.gov  
**Homepage:** <http://www.ams.usda.gov/science/pvpo/PVPindex.htm>

#### SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and **provide evidence** that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, **Seed Regulatory and Testing Branch**, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870.  
<http://www.ams.usda.gov/lsg/seed.htm>.

#### ITEM

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;  
 (2) the details of subsequent stages of selection and multiplication;  
 (3) evidence of uniformity and stability; and  
 (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

**22. CONTINUED FROM FRONT** (Please provide a statement as to the limitation and sequence of generations that may be certified.)

**23. CONTINUED FROM FRONT** (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

*Sold 04-23-2007 in the U.S.*

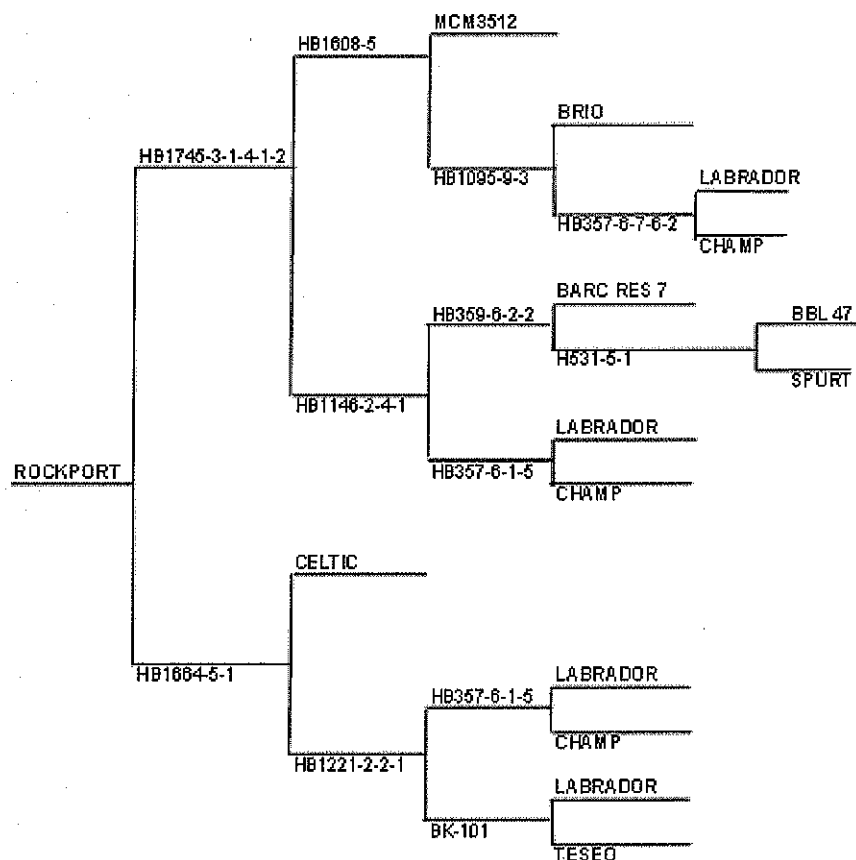
**24. CONTINUED FROM FRONT** (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

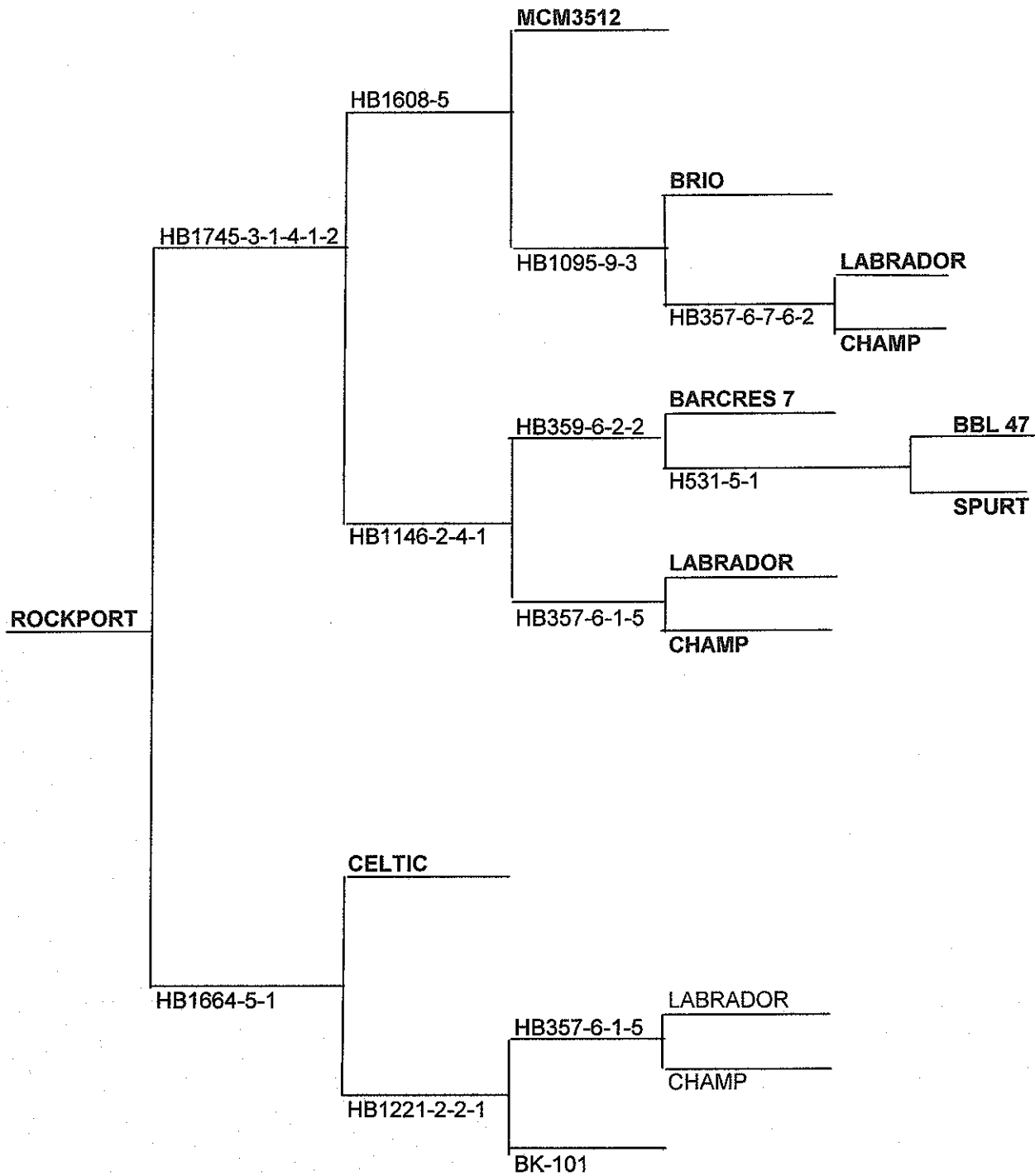
**Exhibit A**  
**Origin and Breeding History**  
**'Rockport'**



The pedigree trace of 'Rockport' is shown above. 'Rockport' originated from the hand-pollinated cross between the Syngenta Seeds, Inc. breeding lines HB1745-3-1-4-1-2 and HB1664-5-1. Teseo, Champ, and Celtic are varieties developed Syngenta Seeds, Inc. Brio, Labrador, BBL 47, and Spurt are varieties developed by Seminis Seeds. Barc Res 7 is a breeding line released by the USDA-ARS and MCM3512 is a breeding line released by CIAT.

The mass selection method of breeding was followed in the F2 generation to accumulate the traits of upright bush habit and medium-dark pods. The pedigree method of selection was employed in F3 through F8 generations for traits of tolerance to root rot and further pod refinement. The F9 generation was bulk harvested to supply a seed source for further increases. 'Rockport' has been uniform and stable for four generations of increases from the original F9, being free of off-types and variants.

ROCKPORT GENEALGY



**Exhibit B**  
**Statement of Distinctness**  
**'Rockport (SB4327)'**

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Garden bean cultivar Rockport is a bush snap bean suitable for the processor market, which most closely resembles the bean variety Dandy. Garden bean cultivar Rockport and Dandy are significantly different in spur length when grown in Minnesota in 2006 and 2007.

Spur length data was collected from 20 plants of both Rockport and Dandy from field plots grown in Minnesota during the growing seasons of 2006 and 2007. Data from the 2006 plots indicated that spur length of Rockport was approximately 1.9 mm longer than Dandy spur length from the same field plots. Additionally, spur length of Rockport was approximately 3.25 mm longer than Dandy spur length again in 2007 field trials.

Significantly higher marketable yield, as defined by pod harvest including sieve sizes one through six (sv1-6), was also observed in Rockport plots in Minnesota during the growing seasons of 2006 and 2007. Marketable yield was recorded from 25 plants within each Rockport and Dandy plot through the two seasons. In 2006, marketable yield from 25 plants in the Rockport plot was approximately 1265 grams, while 25 plants from within the Dandy plot yielded approximately 841 grams. Also, in 2007 25 plants from within the Rockport plot yielded marketable pods weighing 1370 grams, while the same number of plants within the Dandy plots yielded 770 grams.

**Explanation of statistical variables used in the following attachments:**

RPSPUR06 = Rockport, Spur length (mm), Minnesota, 2006

DASPUR06 = Dandy, Spur length (mm), Minnesota, 2006

RPSPUR07 = Rockport, Spur length (mm), Minnesota, 2007

DASPUR07 = Dandy, Spur length (mm), Minnesota, 2007

RPHRVYD = Rockport, marketable yield (sv1-6), MN, 2006 & 2007

DAHRVYD = Dandy, marketable yield (sv1-6), MN, 2006 & 2007

**Descriptive statistics for DASPUR06 vs. RPSPUR06 using Statistix 2.0**

VARIABLE	N	MEAN	SD	MINIMUM	MAXIMUM
DASPUR06	20	9.1690	1.1461	6.7000	11.180
RPSPUR06	20	11.132	1.6606	7.3500	13.560

**ONE-WAY AOV FOR: DASPUR06 vs. RPSPUR06**

SOURCE	DF	SS	MS	F	P
BETWEEN	1	38.5533	38.5533	18.94	0.0001
WITHIN	38	77.3514	2.03556		
TOTAL	39	115.905			

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	<u>CHI-SQ</u>	<u>DF</u>	<u>P</u>
BARTLETT'S TEST OF EQUAL VARIANCES	2.49	1	0.1146

COCHRAN'S Q                      0.6773  
LARGEST VAR / SMALLEST VAR    2.0993

COMPONENT OF VARIANCE FOR BETWEEN GROUPS    1.82589  
EFFECTIVE CELL SIZE                                  20.0

VARIABLE	SAMPLE MEAN	GROUP SIZE	STD DEV
DASPUR06	9.1690	20	1.1461
RPSPUR06	11.132	20	1.6606
TOTAL	10.151	40	1.4267

CASES INCLUDED 40    MISSING CASES 0

#### LSD (T) COMPARISON OF MEANS

VARIABLE	MEAN	HOMOGENEOUS GROUPS
RPSPUR06	11.132	A
DASPUR06	9.1690	.. B

ALL 2 MEANS ARE SIGNIFICANTLY DIFFERENT FROM ONE ANOTHER.

CRITICAL T VALUE                      2.024    REJECTION LEVEL    0.050  
CRITICAL VALUE FOR COMPARISON    0.9134  
STANDARD ERROR FOR COMPARISON    0.4512

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#### Descriptive statistics for DASPUR07 vs. RPSPUR07 using Statistix 2.0

VARIABLE	N	MEAN	SD	MINIMUM	MAXIMUM
DASPUR07	20	9.6000	0.7539	8.0000	11.000
RPSPUR07	20	12.850	2.2542	9.0000	18.000

#### ONE-WAY AOV FOR: DASPUR07 vs. RPSPUR07

SOURCE	DF	SS	MS	F	P
BETWEEN	1	105.625	105.625	37.39	0.0000
WITHIN	38	107.350	2.82500		
TOTAL	39	212.975			

	<u>CHI-SQ</u>	<u>DF</u>	<u>P</u>
BARTLETT'S TEST OF EQUAL VARIANCES	18.81	1	0.0000

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COCHRAN'S Q 0.8994  
LARGEST VAR / SMALLEST VAR 8.9398

COMPONENT OF VARIANCE FOR BETWEEN GROUPS 5.14000  
EFFECTIVE CELL SIZE 20.0

VARIABLE	SAMPLE MEAN	GROUP SIZE	STD DEV
DASPUR07	9.6000	20	0.7539
RPSPUR07	12.850	20	2.2542
TOTAL	11.225	40	1.6808

CASES INCLUDED 40 MISSING CASES 0

### LSD (T) COMPARISON OF MEANS

VARIABLE	MEAN	HOMOGENEOUS GROUPS
RPSPUR07	12.850	A
DASPUR07	9.6000	..B

ALL 2 MEANS ARE SIGNIFICANTLY DIFFERENT FROM ONE ANOTHER.

CRITICAL T VALUE 2.024 REJECTION LEVEL 0.050  
CRITICAL VALUE FOR COMPARISON 1.0760  
STANDARD ERROR FOR COMPARISON 0.5315

### Descriptive statistics for RPHRVYD (gm) vs. DAHRVYD (gm) using Statistix 2.0

VARIABLE	N	MEAN	SD	MINIMUM	MAXIMUM
DAHRVYD	2	805.71	50.497	770.00	841.41
RPHRVYD	2	1317.8	73.877	1265.5	1370.0

### ONE-WAY AOV FOR: DAHRVYD (gm) vs. RPHRVYD (gm)

SOURCE	DF	SS	MS	F	P
BETWEEN	1	262200	262200	65.49	0.0149
WITHIN	2	8007.73	4003.87		
TOTAL	3	270208			

	CHI-SQ	DF	P
BARTLETT'S TEST OF EQUAL VARIANCES	0.09	1	0.7588

COCHRAN'S Q 0.6816  
LARGEST VAR / SMALLEST VAR 2.1404

COMPONENT OF VARIANCE FOR BETWEEN GROUPS 129098



200800195

EFFECTIVE CELL SIZE

2.0

<u>VARIABLE</u>	<u>SAMPLE MEAN</u>	<u>GROUP SIZE</u>	<u>STD DEV</u>
DAHRVYD	805.71	2	50.497
RPHRVYD	1317.8	2	73.877
TOTAL	1061.7	4	63.276

CASES INCLUDED 4 MISSING CASES 0

**LSD (T) COMPARISON OF MEANS**

<u>VARIABLE</u>	<u>MEAN</u>	<u>HOMOGENEOUS GROUPS</u>
RPHRVYD	1317.8	A
DAHRVYD	805.71	.. B

ALL 2 MEANS ARE SIGNIFICANTLY DIFFERENT FROM ONE ANOTHER.

CRITICAL T VALUE 4.303 REJECTION LEVEL 0.050

CRITICAL VALUE FOR COMPARISON 272.26

STANDARD ERROR FOR COMPARISON 63.276

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY  
Garden Bean (*Phaseolus vulgaris* L.)

NAME OF APPLICANT (S) SYNGENTA SEEDS, INC.	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME ROCK PORT
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) 600 NORTH ARMSTRONG PLACE BOISE, IDAHO 83704		FOR OFFICIAL USE ONLY PVPO NUMBER #200800195

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g., 0 9 9 or 0 9 ) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties centered in the same trial. Measured data should be for SPACED PLANTS. Ranges should also be given. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: \_\_\_\_\_  
Please answer all questions for your variety; lack of response may delay progress of your application.

1. TYPE:

1 = Garden      2 = Flageolet      3 = Romano

2. MARKET MATURITY:

Days to Edible Pods

Heat Units to Edible Pods

Number of Days Earlier Than

Same As

Number of Days Later Than

Comparison Variety

Comparison Varieties

- |                           |                     |
|---------------------------|---------------------|
| 1 = Tender crop           | 2 = Kentucky Wonder |
| 3 = Gold rush             | 4 = Slenderette     |
| 5 = Gitana                | 6 = Provider        |
| 7 = Bush Blue Lake 290    |                     |
| 8 = Other (Specify Below) | _____               |

3. PLANT:

cm Spacing Between Plants in a Row

Habit      1 = Determinate  
2 = Indeterminate, Erect Stem and Branches  
3 = Indeterminate with Weak and Prostrate Stem and Branches  
4 = Indeterminate Climbing Habit with Weak, Long, and Twisted Stem and Branches

cm Height

cm Shorter Than

Same Height As

cm Taller Than

Comparison Variety

Use Comparison Varieties from Section 2

## 3. PLANT: (continued)

cm Spread

cm Narrower Than

Same Width As

cm Wider Than

Comparison Variety

Use Comparison Varieties from Section 2

Pod Position: 1 = Low 2 = High 3 = Scattered

Bush Form (Illustrated Below)



1 = Spherical Bush Form



2 = Stem Bush Form



3 = Wide Bush Form



4 = High Bush Form

5 = Other (Specify) \_\_\_\_\_

## 4. LEAVES:

Surface: 1 = Dull 2 = Glossy 3 = Indeterminate

Size: 1 = Small (Gitana) 2 = Medium 3 = Large (Tender Crop)

Color: 1 = Light Green (as Light or Lighter than Gold Rush)  
2 = Medium Green  
3 = Dark Green (as Dark or Darker than Bush Blue Lake 290)

## 5. ANTHOCYANIN PIGMENT:

(1 = Absent

2 = Present)

Flowers

Stems

Pods

Seeds

Leaves

Petioles

Peduncles

Nodes

## 6. FLOWER COLOR AND DAYS TO BLOOM:

Color of Standard

Color of Wings

Color of Keel

Days to 50% Bloom

Flower Color Choices

1 = White 2 = Cream

3 = Pink 4 = Lilac

5 = Purple 6 = Blue

7 = Other (Specify) \_\_\_\_\_

## 7. PODS (Edible Maturity):

Exterior Color:  
(Fresh)

1 = Light Green (as Light or Lighter than Provider)

2 = Medium Green

3 = Dark Green (as Dark or Darker than Bush Blue Lake 290)

4 = Yellow (Gold Rush)

5 = Green-red Variegated (Horticultural)

6 = Other (Specify) \_\_\_\_\_

Processed Pods (Exterior Color): 1 = Light (Tender Crop) 2 = Dark (Bush Blue Lake 290)

Dry Pod Color: 1 = Buckskin (Sprite) 2 = Green, Persistent Chlorophyll (Hystyle)

## 7. PODS (continued):

**3** Cross Section Pod Shape: 1 = Flat 2 = Heart (Pear) 3 = Round 4 = Figure Eight  
(Middle of the Pod)



**2** Crease Back: 1 = Present 2 = Absent

**3** Pubescence: 1 = None (Slenderette) 2 = Sparse 3 = Considerable (Provider or Sprite)

**1** Constriction (Interocular Cavitation): 1 = None 2 = Slight 3 = Deep

**15** mm Spur Length

**1** Fiber: 1 = None (Bush Blue Lake 290) 2 = Sparse 3 = Considerable (Sprite)

**6** Number of Seeds per Pod

**2** Suture String: 1 = Present 2 = Absent

**1** Seed Development: 1 = Slow (Bush Blue Lake 290) 2 = Medium 3 = Fast (Provider)

**1** Machine Harvest: 1 = Adapted 2 = Not Adapted

Percent sieve size distribution at optimum maturity for not-flat pods

4.76 to 5.76mm	5.76 to 7.34mm	7.34 to 8.34mm	8.34 to 9.53mm	9.53 to 10.72 mm	>10.72mm
16.9 %	27.8 %	31.5 %	20.6 %	3 %	%

3 Sieve	<b>11.2</b> cm Length	<b>7.3</b> mm width	<b>7.3</b> Total mm Thickness
4 Sieve	<b>12</b> cm Length	<b>7.5</b> mm width	<b>8.0</b> Total mm Thickness
5 Sieve	<b></b> cm Length	<b></b> mm width	<b></b> Total mm Thickness
6 Sieve	<b></b> cm Length	<b></b> mm width	<b></b> Total mm Thickness

## 8. SEED COLOR:

**3** Seed Coat Luster: 1 = Shiny 2 = Dull 3 = Semi-Shiny 4 = Variable

**1** Seed Coat: 1 = Monochrome 2 = Polychrome

**01** Primary Color: 1 = White 2 = Yellow 3 = Buff 4 = Tan 5 = Brown 6 = Pink 7 = Red 8 = Purple  
9 = Blue 10 = Black 11 = Other

Secondary Color: 1 = White 2 = Yellow 3 = Buff 4 = Tan 5 = Brown 6 = Pink 7 = Red 8 = Purple  
9 = Blue 10 = Black 11 = Other

**1** Seed Coat Pattern: 1 = Solid 1 = Splashed 3 = Mottled 4 = Striped 5 = Flecked 6 = Dotted

**1** Hilum Ring: 1 = Absent 2 = Present

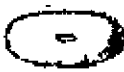
Hilum Ring Color: 1 = White 2 = Yellow 3 = Buff 4 = Tan 5 = Brown 6 = Pink 7 = Red 8 = Purple  
9 = Blue 10 = Black 11 = Other

## 9. SEED SHAPE AND SIZE:

**2** Hilum View:



1 = Elliptical



2 = Oval



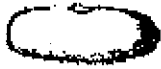
3 = Round

**2** Cross Section: 1 = Elliptical 2 = Oval 3 = Cordate 4 = Round

## 9. SEED SHAPE AND SIZE: (continued)

1

Side View:



1 = Oval to Oblong



2 = Round



3 = Reniform

17

gm/100 Seeds

2.1

gm/100 Seeds Lighter Than

3

gm/100 Seeds Same As

5

gm/100 Seeds Heavier Than

Comparison Variety

2.5

## 10. DISEASE RESISTANCE: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant

0

Anthracnose (*Colletotrichum lindemuthianum*)☐

Race Alpha

☐

Race Beta

☐

Race Gamma

☐

Race Delta

☐

Race Epsilon

☐

Race Lambda

☐

Race Kappa

☐

Specify Race \_\_\_\_\_

0

Bean Rust (*Uromyces appendiculatus*)☐

Race 38

☐

Race 39

☐

Race 40

☐

Race 44

☐

Race 45

☐

Race 46

☐

Race 49

☐

Race 50

☐

Race 51

☐

Race 52

☐

Race 54

☐

Race 56

☐

Race 59

☐

Specify Race \_\_\_\_\_

0

Powdery Mildew (*Erysiphe polygoni*)

0

Fusarium Root Rot (*Fusarium solani* f. sp. *phaseoli*)

0

Pythium Root Rot (*Pythium* spp.)

0

Aphanomyces Root Rot (*Aphanomyces euteiches*)

0

Rhizoctonia Root Rot (*Rhizoctonia solani*)

0

Pythium Blight or Aerial Pythium (*Pythium ultimum*)

0

Angular Leaf Spot (*Isariopsis griseola*)

0

Bacterial Wilt (*Corynebacterium flaccumfaciens* subsp. *flaccumfaciens*)

0

Bacterial Brown Spot (*Pseudomonas syringae* pv. *syringae*)

0

Common Bacterial Blight (*Xanthomonas campestris* pv. *phaseoli*)

0

Halo Blight (*Pseudomonas syringae* pv. *phaseolicola*)☐

Race 1

☐

Race 2

0

Clover Yellow Vein Virus (CYVV)

0

Bean Common Mosaic Virus (BCMV)

☐

BV1

☐

NY15

☐

NL2

☐

NL3

☐

NL4

☐

NL8

☐

Florida

☐

Idaho

☐

Mexican

☐

Western

☐

Type

☐

Other (Specify) \_\_\_\_\_

0

Yellow Bean Mosaic Virus (BYMV)

0

Curly Top Virus (BCTV)

0

Other (Specify Disease and Race or Strain) \_\_\_\_\_

**11. INSECT RESISTANCE:** 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant

- |  |   |
|--|---|
| <input type="checkbox"/> Aphid                 | <input type="checkbox"/> Root Knot Nematode |
| <input type="checkbox"/> Leafhopper            | <input type="checkbox"/> Seed Corn Maggot   |
| <input type="checkbox"/> Lygus                 | <input type="checkbox"/> Thrips             |
| <input type="checkbox"/> Pod Borer             | <input type="checkbox"/> Weevils            |
| <input type="checkbox"/> Other (Specify) _____ |   |

**12. PHYSIOLOGICAL RESISTANCE:** 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant

- |  |                                |                                  |
|--|--------------------------------|----------------------------------|
| <input type="checkbox"/> Heat                  | <input type="checkbox"/> Cold  | <input type="checkbox"/> Drought |
| <input type="checkbox"/> Air Pollution         | <input type="checkbox"/> Ozone |                                  |
| <input type="checkbox"/> Other (Specify) _____ |                                |                                  |

**13. COMMENTS:**

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

**EXHIBIT E**  
**STATEMENT OF THE BASIS OF OWNERSHIP**

1. NAME OF APPLICANT(S)  Syngenta Seeds, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME  Rockport
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)  6338 Highway 20-26 Nampa, ID 83687	5. TELEPHONE (Include area code)  (208) 465-8522	6. FAX (Include area code)  (208) 467-4559
7. PVPO NUMBER  <b>#200800195</b>		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

Rockport was bred and developed by plant breeders employed by Syngenta Seeds, Inc. By agreement between the employee and Syngenta Seeds, Inc., all rights to any invention, discovery or development made by the employee while employed by Syngenta Seeds, Inc. were assigned to Syngenta Seeds, Inc., with no rights retained by the employee.

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

**U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705**

**EXHIBIT F  
DECLARATION REGARDING DEPOSIT**

NAME OF OWNER (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	TEMPORARY OR EXPERIMENTAL DESIGNATION
Syngenta seeds, Inc.	6338 Highway 20-26 Nampa, ID 83687 USA	VARIETY NAME Rockport
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY
Kim Briggs	6338 Highway 20-26 Nampa, ID 83687 USA	PVPO NUMBER #200800195

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Kim Briggs  
Signature

3-12-2008  
Date

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